DII.COE.Final.SOL251.IP

Defense Information Infrastructure (DII)

Common Operating Environment (COE)

Installation Procedures (IP) for NeWSprint, version 2.0.0.2

Document Version 2.0.0.2

3 December 1997

Prepared for:

Defense Information Systems Agency

Prepared by:

SSC-SD
San Diego, CA

Table of Contents

1. Scope . . . 1
1.1 Identification . . . 1
1.2 System Overview . . . 1

2. Referenced Documents . . . 1

3. System Environment . . . 1
3.1 System Requirements . . . 1
3.1.1 Hardware Requirements . . . 1
3.1.2 Operating System Requirements . . . 1
3.1.3 Kernel Requirements . . . 1
3.2 System and Site Preparations . . . 1
3.2.1 System Configuration . . . 1
3.2.2 Operating System Preparation . . . 1
3.2.3 Tape/Disk Preparation . . . 2

4. Installation Instructions . . . 2
4.1 Media Booting Procedures . . . 2
4.2 Installation Procedures . . . 2
4.3 Installation of Upgrades . . . 4
4.4 Installation Verification . . . 4
4.5 Initializing the Software . . . 4
4.6 List of Changes and Enhancements . . . 4
4.7 Important Considerations . . . 4

5. Notes . . . 4

This page intentionally left blank.

1. Scope

1.1 Identification

This Installation Procedures Document describes the installation procedures for NeWSprint (segprefix NPSW) Version 2.0.0.2 for the Solaris 2.5.1 Platform.

1.2 System Overview

This version of NeWSprint Software provides printing capability for SPARCprinters and NeWSprint printers for a Solaris 2.5.1 system.

2. Referenced Documents

None.

3. System Environment

3.1 System Requirements

3.1.1 Hardware Requirements

A printer is required either on the local machine or on a remote machine.

3.1.2 Operating System Requirements

The Sun/SPARC 2.5.1 Operating System is required to perform the installation of NeWSprint 2.0.0.2.

3.1.3 Kernel Requirements

DII COE Kernel Version 3.0.0.3 is required to perform the installation of NeWSprint 2.0.0.2.

3.2 System and Site Preparations

3.2.1 System Configuration

GZIP Version 1.0.0.1 or later must be installed prior to installing NeWSprint 2.0.0.2.

3.2.2 Operating System Preparation

Log into the Sun/SPARC 2.5.1 system as "sysadmin." After the system loads, go to the pull down menu labeled Software and select Segment Installer. This activates the COEInstaller.

3.2.3 Tape/Disk Preparation

1. Choose the Select Source button to identify the source/location of the segment. When this window appears, select Other, then type in the location of your 8mm exabyte drive (which usually is /dev/rmt/0mn). Then choose OK.

4. Installation Instructions

4.1 Media Booting Procedures

A reboot is required after NeWSprint installation.

4.2 Installation Procedures

4.2.1 COEInstaller Installation Instructions

The actual installation may deviate slightly from these procedures depending on your printer.

1. Highlight the NeWSprint 2.0.0.2 segment, then choose the Install button. This will begin installation of the NeWSprint segment into the /h/COTS directory.

2. An xterm window will pop up as the NeWSprint package is installed in the /opt directory.

3. Depending on your operating system, you will be prompted "Do you want to continue with installation of <SUNWspii> [y | n]?
Enter "y"

4. You will be prompted "The following will be installed in /opt/SPARCPrinterII: SPARCprinter II Continue?
Enter "y"

5. You will be prompted: "NeWSprint installed successfully. Click OK to install required patches".
Click "OK"

6. The NeWSprint patches will be installed. A window will pop up notifying you that the patches have been installled.
Hit RETURN to continue.

7. A window will pop up asking you to select a printer.

Select the number corresponding to the printer you are installing.

8. You will be prompted:
"Is the printer you are configuring attached to <local_host>".
Enter y if the printer you are configuring is attached to the machine you are installing NeWSprint on. Enter n if the printer is attached to a remote machine.

If you answered "y", skip to step #15.

9. You will be prompted:
"Installing a remote <printer_type> OK?
Select "OK"

10. You will be asked to enter the name of the remote machine where the printer is attached.
Enter the name of the remote machine where the printer is attached.

11. You will be asked what kind of printer server is <remote_machine>?
Enter "1", corresponding to SunOS 5.1 or higher.

12. You will be asked to enter the printer name that <remote_machine> uses for the printer.
Enter the name that <remote_machine> uses for the printer.

13. You will be prompted :
"Enter your printers name:"
Enter a name for your printer. **Important: the printer name must begin with an underscore ("_") character (Example: _SPARCprinter).**

14. You will be prompted:
"Do you want <printer_name> to be your default printer."
Enter y if you want the printer to be your default printer.
Skip to step 20# of this section.

15. The printer is attached to you local machine. You will be prompted:
"Installing a <printer_type> on a <device> interface OK ?"
Select "y"

16. You will be prompted
"Enter your printers name:"
Enter a name for your printer. **Important: the printer name must begin with an underscore ("_") character (Example: _SPARCprinter).**

17. You will be prompted:
"Do you want <printer_name> to be your default printer."
Enter y if you want the printer to be your default printer..

18. You will be prompted: "Enter the imaging directory pathname (the default is /etc/lp/printers):"
Select "OK"

19. You will be prompted: "Enter your font password:"
Enter your font password. If you do not have a password, you still be able to print without a license, but will only be able to use the courier font.

20. After responding to font license questions, you will have to validate two questions.

21. You will be asked "Do you want to add another printer?"
If you have more printers to add, answer "y", otherwise answer "n". If you answered "y", return to step 7 of this section.

22. A window will pop up saying "Printer setup is complete.
Press "OK".

23. Upon completion of the install please reboot this machine.
Press "OK".

24. Close all open applications and go to the Hardware menu on the menubar and select "Reboot System". You will be prompted if you want to continue. Enter "OK".

4.2.2 Additional Installation Instructions

To manually add or remove additional printers/printer configuration after installation, do the following:

1. Log into an xterm as sysadmin, then su to root. Type csh at the prompt for C-shell.

2. Set the DISPLAY environment using:

setenv DISPLAY unix:0.0 for csh (unix can be replaced by local_host name)

3. To add a printer, type "/opt/NeWSprint/bin/add_np_printer" at the prompt, then return to step 7 of section 4.2 for instructions.

4. To remove a printer, type "/opt/NeWSprint/bin/rm_np_printer" at the prompt. It will list all the available printers. Choose the number corresponding to the printer you want removed, then press enter. Type "q" to quit.

4.3 Installation of Upgrades

None.

4.4 Installation Verification

After installing the segment, select the menu "Install" from the COE Installer. Then select the submenu "View Installation Log". At the end of the log, a line should read:
"Segment (NeWSprint Software) successfully installed.

Open an xterm window and attempt to print a file, using the command:
lp filename

4.5 Initializing the Software

N/A.

4.6 List of Changes and Enhancements

This version allows COE Tools to be used to manually add printers and printer configurations.

4.7 Important Considerations

Your printer name must begin with an underscore ("_") character.

5. Notes

None.